

BLAW-KNOX COMPANY

Manufacturers of Steel Products

GENERAL SALES OFFICES
PITTSBURGH, PA.

EXECUTIVE OFFICES
HOBOKEN, PA.

DISTRICT SALES OFFICES

NEW YORK, N. Y., 165 Broadway
BOSTON, MASS., Little Building
CHICAGO, ILL., People's Gas Building

SAN FRANCISCO, CAL., Monadnock Building
DETROIT, MICH., Lincoln Building
SHEFFIELD, ENGLAND

WORKS: HOBOKEN, PA.

Products.

BLAW STEEL FORMS for concrete construction of every description.

BLAW FABRICATED STRUCTURAL STEEL: Bridges, Manufacturing Plants, Poles, Transmission Towers, Trusses, etc.

STEEL PLATE WORK and PRESSED and WELDED CONSTRUCTION.

KNOX WATER COOLED FURNACE EQUIPMENT: Buckstays, Doors, Door Frames, Floors, Ports, Reversing Valves, Shields, Skewbacks, Bulkhead Coolers, etc.

For Blaw Buckets and Cableway Carriages, see pages 62-63.

Fabricated Structural Steel and Transmission Towers.

This company turns out a very large annual tonnage of highly fabricated products of all kinds, such as mill buildings, manufacturing plants, aeroplane hangars, crane runways, etc., also transmission towers of which they are one of the largest manufacturers in the United States.



Structural Steel Building



Transmission Tower

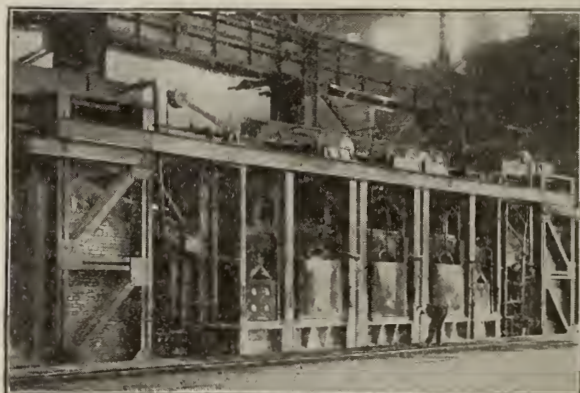
STEEL STRUCTURES DESIGNED AND FABRICATED BY BLAW-KNOX COMPANY



TRADE-MARK

Knox Water Cooled Furnace Equipment.

All types of water cooled equipment used around furnaces, particularly of the open hearth type, are included, such as doors, door frames, shields, buckstays, ports, reversing valves, floors, etc.



KNOX COOLED 75-TON OPEN HEARTH FURNACE

Blawforms.

There are Blaw steel forms for every type of concrete construction, from sewers to subways, from sidewalks to skyscrapers. Blawforms—the first steel forms to be used commercially—have been used on every engineering project of note undertaken during the past decade and a half. On the other hand, engineers and contractors are finding Blawforms almost indispensable in the erection of foundations, warehouses, retaining walls, culverts, etc.

There are few types of concrete construction in which Blawforms can not be used with economy.

Submit problems to the Blawforms engineers.

Steel Plate Construction.

BLAW-KNOX COMPANY is one of the largest users of acetylene and electric welding processes. The following is a partial list of articles it is prepared to furnish:

Air receivers; oil and refining agitators; water boshes; annealing and condensing boxes; bulkhead coolers; boiler breechings; flumes; galvanizing kettles; gas containers; creosoting or wood preserving cylinders; digestors; oil filters; melting pots; palm oil melting plants; evaporating and spelter pans; steam jacketed kettles.

Tanks: alkali, brine, chemical or acid, distillate, filter, galvanized, gasoline, lubricating oil, mixing, oil, pressure, settling, compressed air, tar, water.

Traveling Forms.

The economy of Blawforms is apparent in this illustration of a large concrete wall built by Stone & Webster Corporation, at the plant of the Brier Hill Steel Company, Youngstown, Ohio. The wall is approximately 34 ft. high, 18 ft. thick at the bottom, tapering to 10 ft. at the top and is about 1000 ft. long.



TRAVELING FORMS

Alternate blocks are cast in the traveling form in the foreground (which is equipped with swinging bulkheads weighing about 10 tons each), the blocks between being cast in the form shown in the background.



LIGHT WALL FORMS

Light Wall Forms.

Standard panels are 2 ft. square and are keyed together and handled in large units, as illustrated. Panels of other dimensions are furnished, to facilitate adjustment to any dimension.

Culvert Forms.

The rectangularly shaped culvert requires less headroom to get the correct opening to secure proper carrying capacity. As a result this type of culvert is being universally employed.

Blaw adjustable rectangular culvert forms can be used over and over. They make economical concrete culvert construction possible.

gutter, integral curb and base and road construction of all kinds.

As they are set up by unskilled laborers in a fraction of the time and with a great deal less labor than ordinary forms, Blawforms effect a very great saving in time, labor and money.

Being made of steel, Blawforms will not warp, crack, swell or spring out of shape, nor is it possible to damage the patented slip joint connection in the ordinary course of handling.

Co-operative Service.

BLAW-KNOX COMPANY offers the services of a notable engineering organization of highly trained men and a shop organization equipped with the most modern machinery.

The same engineering thought that designed the forms for the Panama Canal, the Calumet Sag Channel, the New York and Boston Subways, the Catskill and Winnipeg Aqueducts, the sewer systems in the leading cities, etc., is back of every Blawform.

The company's structural engineers will consult with engineers and others at any time.

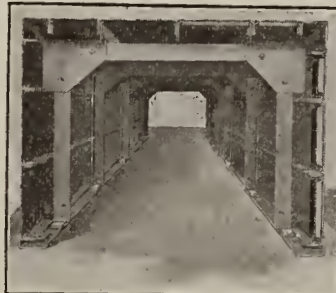
Write for literature and data.

Tunnel Forms.

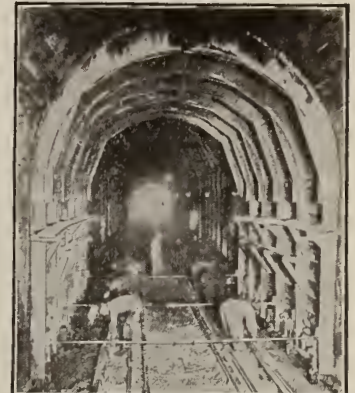
Blaw tunnel forms and tunnel liner plates are adapted to every type of construction.

By their use, the amount of excavating is greatly lessened, the element of danger materially decreased, and maximum working space is assured.

Concrete can be placed either by the pneumatic process or by hand.



CULVERT FORMS

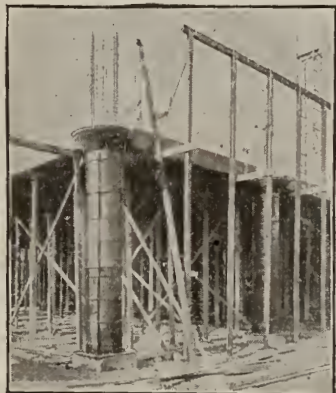


TUNNEL FORMS

Column Moulds.

Blaw column moulds offer many advantages over ordinary moulds, particularly in regard to adjustability, tightness, simplicity, interchangeability, strength and completeness.

Submit column schedules to the Blawforms engineers.



COLUMN MOULDS



SEWER FORMS

Sewer Forms.

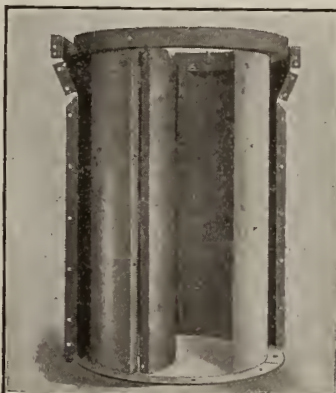
Blaw sewer forms are furnished in all shapes, half round, elliptical, egg shape, circular, etc., and in all sizes, from the very small hand handled sewer forms to the massive collapsible and traveling forms for conduits, aqueducts, etc.

Pipe Moulds.

Although Blawforms for concrete pipe are particularly adapted for use in central manufacturing plants which can be designed to handle the materials and forms to the very best advantage, they are being used to a great extent for manufacturing pipe in the field.

Blawforms are strong, durable and ultimately the most economical.

BLAW-KNOX COMPANY is prepared to furnish all kinds of concrete pipe forms, either of the Blaw patented design or other design, whether cast on end or on side, round, oval or elliptical, standard or special.



PIPE MOULDS



ROAD, SIDEWALK AND CURB FORMS

Road, Sidewalk and Curb Forms.

The same equipment of Blaw Universal rails can be used on sidewalk, curb, combined curb and